

1                                   **SYSTEM AND METHOD FOR IDENTIFYING**  
2                                   **WORD PATTERNS IN TEXT**

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4                                   **ABSTRACT OF THE INVENTION**

5                   A system and method for identifying word patterns in text is conducted in real time  
6 and is highly suitable for network and Internet use. The system comprises a semantic  
7 network that may be compiled on a local computer or at a remote host and a software text  
8 analysis module for receiving the text to be analyzed, parsing the text, submitting the text to  
9 the semantic network, and receiving the results. The method involves receiving a stream of  
10 text, breaking the stream of text into a plurality of threads, tokenizing the words in each  
11 thread, and comparing the words to identified words in the semantic network. Recognized,  
12 words are then examined, together with surrounding words in the text to determine whether  
13 the words are part of a word pattern. Word patterns are located at nodes in the semantic  
14 network in a hierarchical structure, and certain word patterns correspond to objects of the  
15 semantic network. When all word patterns involving a word are located, links are followed  
16 to objects corresponding to the word patterns. Several nodes may point to a single object,  
17 but each object is represented only once in the semantic network. Identified objects may thus  
18 be identified in real time, as the text streams through the text analysis module.

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